Name of Work: Improvements to roads and drains at Doddabettahalli layout in Ward No. 03

EMB

"FIRST AND FINAL BILL"

Name of Work: Improvements to roads and drains at Doddabettahalli layout in Ward No. 03

PRE-MEASUREMENT SHEETS

"FIRST AND FINAL BILL"

Name of Work: Improvements to roads and drains at Doddabettahalli layout in Ward No. 03

Date of Pre-Measurement : 18.11.2019

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
1	KSRRB 300 - Excavation for road, drains and similar works KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking							
	Doddabettahalli							
	Ambabhavani Road							
	LHS							
	Ch: 0 to 30m		1	30.00	1.20	1.00	36.00	
	Ch: 30 to 60m		1	30.00	1.20	1.00	36.00	
	Ch: 60 to 90m		1	30.00	1.20	1.00	36.00	
	Ch: 90 to 95.9m		1	5.90	1.20	1.00	7.08	
	Road Gap							
	Ch: 0 to 30m		1	30.00	1.20	1.00	36.00	
	Ch: 30 to 60m		1	30.00	1.20	1.00	36.00	
	Ch: 60 to 90m		1	30.00	1.20	1.00	36.00	
	Ch: 90 to 91m		1	1.00	1.20	1.00	1.20	
	SWD							
	Ch: 0 to 3.2m		1	3.20	1.20	1.00	3.84	
	Ch: 3.2 to 8.1m		1	4.90				
	Ch: 8.1 to 34m		1	25.90	1.20	1.00	31.08	
	Road Gap							
	Ch: 0 to 21.8m		1	21.80	1.20	1.00	26.16	
	Road Gap							
	Ch: 0 to 30m		1	30.00	1.20	1.00	36.00	
	Ch: 30 to 59.1m		1	29.10	1.20	1.00	34.92	
	Ch: 59.1 to 68.5m		1	9.40				
	Ch: 68.5 to 98.5m		1	30.00	1.20	1.00	36.00	
	Ch: 98.5 to 121.5m		1	23.00	1.20	1.00	27.60	
	Gap							
	Ch: 0 to 30m		1	30.00	1.20	0.90	32.40	
	Ch: 30 to 60m		1	30.00	1.20	0.90	32.40	
	Ch: 60 to 90m		1	30.00	1.20	0.90	32.40	
	Ch: 90 to 97.5m		1	7.50	1.20	0.90	8.10	
	RHS							
	Ch: 0 to 29.2m		1	29.20	1.20	0.90	31.54	
	Ch: 29.2 to 34m		1	4.80				
	Ch: 34 to 51m		1	17.00	1.20	1.00	20.40	
	Ch: 51 to 61.7m		1	10.70				
	Ch: 61.7 to 91.7m		1	30.00	1.20	1.00	36.00	
	Ch: 91.7 to 96.1m		1	4.40	1.20	0.90	4.75	
	Gap							
	Ch: 0 to 30m		1	30.00	1.20	0.95	34.20	
	Ch: 30 to 60m		1	30.00	1.20	0.95	34.20	

	Ch: 60 to 90m		1	30.00	1.20	1.00	36.00	
	Ch: 90 to 100m		1	10.00	1.20	0.90	10.80	
	SWD							
	Ch: 0 to 26.6m		1	26.60	1.20	0.90	28.73	
	Road Gap							
	Ch: 0 to 25.6m		1	25.60	1.20	0.90	27.65	
	Road Gap							
	Ch: 0 to 26.3m		1	26.30	1.20	0.90	28.40	
	Road Gap							
	Ch: 0 to 12.4m		1	12.40	1.20	0.90	13.39	
	Ch: 12.4 to 25.6m		1	13.20				
	Road Gap							
	Ch: 0 to 30m		1	30.00	1.20	0.90	32.40	
	Ch: 30 to 31.6m		1	1.60	1.20	0.90	1.73	
	Road Gap							
	Ch: 0 to 24.2m		1	24.20	1.20	0.90	26.14	
	Provision Store Road, LL toSWD							
	Ch: 0 to 30m		1	30.00	1.20	0.90	32.40	
	Ch: 30 to 60m		1	30.00	1.20	0.90	32.40	
	Ch: 60 to 90m		1	30.00	1.20	0.90	32.40	
	Ch: 90 to 105m		1	15.00	1.20	0.90	16.20	
	Culvert							
	Main Road		1	7.70	1.80	0.90	12.47	
	Main Road		1	6.90	1.50	0.90	9.32	
	Main Road		1	3.50	1.50	0.90	4.73	
						Present Qty	**1031.42**	**Cum**

CAFE

Contractor

RMC

Assistant Engineer

18.11.2019

ಸಹಾಯಕ ಕಾರ್ಯ ಪಾಲಕ ಅಭಿಯಂತರರು
Assistant Executive Engineer
ಬ.ಜ.ಎಂ.ಪಾ. ಬೆಂಗಳೂರು-106

Name of Work: Improvements to roads and drains at Doddabettahalli layout in Ward No. 03

Date of Pre-Measurement : 25/11/2019

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
2	KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days							
	Doddabettahalli							
	Ambabhavani Road							
	LHS							
	Ch: 0 to 30m		1	30.00	1.20	0.15	5.40	
	Ch: 30 to 60m		1	30.00	1.20	0.15	5.40	
	Ch: 60 to 90m		1	30.00	1.20	0.15	5.40	
	Ch: 90 to 95.9m		1	5.90	1.20	0.15	1.06	
	Road Gap							
	Ch: 0 to 30m		1	30.00	1.20	0.15	5.40	
	Ch: 30 to 60m		1	30.00	1.20	0.15	5.40	
	Ch: 60 to 90m		1	30.00	1.20	0.15	5.40	
	Ch: 90 to 91m		1	1.00	1.20	0.15	0.18	
	SWD							
	Ch: 0 to 3.2m		1	3.20	1.20	0.15	0.58	
	Ch: 3.2 to 8.1m		1	4.90				
	Ch: 8.1 to 34m		1	25.90	1.20	0.15	4.66	
	Road Gap							
	Ch: 0 to 21.8m		1	21.80	1.20	0.15	3.92	
	Road Gap							
	Ch: 0 to 30m		1	30.00	1.20	0.15	5.40	
	Ch: 30 to 59.1m		1	29.10	1.20	0.15	5.24	
	Ch: 59.1 to 68.5m		1	9.40				
	Ch: 68.5 to 98.5m		1	30.00	1.20	0.15	5.40	
	Ch: 98.5 to 121.5m		1	23.00	1.20	0.15	4.14	
	Gap							
	Ch: 0 to 30m		1	30.00	1.20	0.15	5.40	
	Ch: 30 to 60m		1	30.00	1.20	0.15	5.40	
	Ch: 60 to 90m		1	30.00	1.20	0.15	5.40	
	Ch: 90 to 97.5m		1	7.50	1.20	0.15	1.35	
	RHS							
	Ch: 0 to 29.2m		1	29.20	1.20	0.15	5.26	
	Ch: 29.2 to 34m		1	4.80				
	Ch: 34 to 51m		1	17.00	1.20	0.15	3.06	
	Ch: 51 to 61.7m		1	10.70				
	Ch: 61.7 to 91.7m		1	30.00	1.20	0.15	5.40	
	Ch: 91.7 to 96.1m		1	4.40	1.20	0.15	0.79	
	Gap							
	Ch: 0 to 30m		1	30.00	1.20	0.15	5.40	
	Ch: 30 to 60m		1	30.00	1.20	0.15	5.40	

	Ch: 60 to 90m		1	30.00	1.20	0.15	5.40	
	Ch: 90 to 100m		1	10.00	1.20	0.15	1.80	
	SWD							
	Ch: 0 to 26.6m		1	26.60	1.20	0.15	4.79	
	Road Gap							
	Ch: 0 to 25.6m		1	25.60	1.20	0.15	4.61	
	Road Gap							
	Ch: 0 to 26.3m		1	26.30	1.20	0.15	4.73	
	Road Gap							
	Ch: 0 to 12.4m		1	12.40	1.20	0.15	2.23	
	Ch: 12.4 to 25.6m		1	13.20				
	Road Gap							
	Ch: 0 to 30m		1	30.00	1.20	0.15	5.40	
	Ch: 30 to 31.6m		1	1.60	1.20	0.15	0.29	
	Road Gap							
	Ch: 0 to 24.2m		1	24.20	1.20	0.15	4.36	
	Provision Store Road, LL toSWD							
	Ch: 0 to 30m		1	30.00	1.20	0.15	5.40	
	Ch: 30 to 60m		1	30.00	1.20	0.15	5.40	
	Ch: 60 to 90m		1	30.00	1.20	0.15	5.40	
	Ch: 90 to 105m		1	15.00	1.20	0.15	2.70	
	For Kerb Stone							
	Doddabettahalli							
	Ambabhavani Road							
	LHS							
	Ch: 0 to 30m		1	30.00	0.20	0.10	0.60	
	Ch: 30 to 60m		1	30.00	0.20	0.10	0.60	
	Ch: 60 to 90m		1	30.00	0.20	0.10	0.60	
	Ch: 90 to 95.9m		1	5.90	0.20	0.10	0.12	
	Road Gap							
	Ch: 0 to 30m		1	30.00	0.20	0.10	0.60	
	Ch: 30 to 60m		1	30.00	0.20	0.10	0.60	
	Ch: 60 to 90m		1	30.00	0.20	0.10	0.60	
	Ch: 90 to 91m		1	1.00	0.20	0.10	0.02	
	SWD							
	Ch: 0 to 3.2m		1	3.20	0.20	0.10	0.06	
	Ch: 3.2 to 8.1m		1	4.90				
	Ch: 8.1 to 34m		1	25.90	0.20	0.10	0.52	
	Road Gap							
	Ch: 0 to 21.8m		1	21.80	0.20	0.10	0.44	
	Road Gap							
	Ch: 0 to 30m		1	30.00	0.20	0.10	0.60	
	Ch: 30 to 59.1m		1	29.10	0.20	0.10	0.58	
	Ch: 59.1 to 68.5m		1	9.40				
	Ch: 68.5 to 98.5m		1	30.00	0.20	0.10	0.60	
	Ch: 98.5 to 121.5m		1	23.00	0.20	0.10	0.46	
	Gap							
	Ch: 0 to 30m		1	30.00				
	Ch: 30 to 60m		1	30.00	0.20	0.10	0.60	
	Ch: 60 to 90m		1	30.00				

	Ch: 90 to 97.5m		1	7.50				
	RHS							
	Ch: 0 to 29.2m		1	29.20	0.20	0.10	0.58	
	Ch: 29.2 to 34m		1	4.80				
	Ch: 34 to 51m		1	17.00	0.20	0.10	0.34	
	Ch: 51 to 61.7m		1	10.70				
	Ch: 61.7 to 91.7m		1	30.00	0.20	0.10	0.60	
	Ch: 91.7 to 96.1m		1	4.40	0.20	0.10	0.09	
	Gap							
	Ch: 0 to 30m		1	30.00	0.20	0.10	0.60	
	Ch: 30 to 60m		1	30.00	0.20	0.10	0.60	
	Ch: 60 to 90m		1	30.00	0.20	0.10	0.60	
	Ch: 90 to 100m		1	10.00	0.20	0.10	0.20	
	SWD							
	Ch: 0 to 26.6m		1	26.60	0.20	0.10	0.53	
	Road Gap							
	Ch: 0 to 25.6m		1	25.60	0.20	0.10	0.51	
	Road Gap							
	Ch: 0 to 26.3m		1	26.30	0.20	0.10	0.53	
	Road Gap							
	Ch: 0 to 12.4m		1	12.40	0.20	0.10	0.25	
	Ch: 12.4 to 25.6m		1	13.20				
	Road Gap							
	Ch: 0 to 30m		1	30.00	0.20	0.10	0.60	
	Ch: 30 to 31.6m		1	1.60	0.20	0.10	0.03	
	Culvert							
	Main Road		1	7.70	1.80	0.15	2.08	
	Main Road		1	6.90	1.50	0.18	1.55	
	Main Road		1	3.50	1.50	0.15	0.79	
						Present Qty	**176.43**	**Cum**

C4fc

Contractor

CONSULTANT * NEWZEN * BANGALORE
PMC

Assistant Engineer

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರ
Assistant Executive Engineer,
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

25/11/2019

Name of Work: Improvements to roads and drains at Doddabettahalli layout in Ward No. 03

Date of Pre-Measurement : 4/12/2019

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
3	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. With 20mm and sown size granite metal course aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compcted for walls and bottom including centring shuttering cost of material HOM of							
	Raft							
	Doddabettahalli							
	Ambabhavani Road							
	LHS							
	Ch: 0 to 30m		1	30.00	1.10	0.15	4.95	
	Ch: 30 to 60m		1	30.00	1.10	0.15	4.95	
	Ch: 60 to 90m		1	30.00	1.10	0.15	4.95	
	Ch: 90 to 95.9m		1	5.90	1.10	0.15	0.97	
	Road Gap							
	Ch: 0 to 30m		1	30.00	1.10	0.15	4.95	
	Ch: 30 to 60m		1	30.00	1.10	0.15	4.95	
	Ch: 60 to 90m		1	30.00	1.10	0.15	4.95	
	Ch: 90 to 91m		1	1.00	1.10	0.15	0.17	
	SWD							
	Ch: 0 to 3.2m		1	3.20	1.10	0.15	0.53	
	Ch: 3.2 to 8.1m		1	4.90				
	Ch: 8.1 to 34m		1	25.90	1.10	0.15	4.27	
	Road Gap							
	Ch: 0 to 21.8m		1	21.80	1.10	0.15	3.60	
	Road Gap							
	Ch: 0 to 30m		1	30.00	1.10	0.15	4.95	
	Ch: 30 to 59.1m		1	29.10	1.10	0.15	4.80	
	Ch: 59.1 to 68.5m		1	9.40				
	Ch: 68.5 to 98.5m		1	30.00	1.10	0.15	4.95	
	Ch: 98.5 to 121.5m		1	23.00	1.10	0.15	3.80	
	Gap							
	Ch: 0 to 30m		1	30.00	1.10	0.15	4.95	
	Ch: 30 to 60m		1	30.00	1.10	0.15	4.95	
	Ch: 60 to 90m		1	30.00	1.10	0.15	4.95	
	Ch: 90 to 97.5m		1	7.50	1.10	0.15	1.24	
	RHS							
	Ch: 0 to 29.2m		1	29.20	1.10	0.15	4.82	
	Ch: 29.2 to 34m		1	4.80				
	Ch: 34 to 51m		1	17.00	1.10	0.15	2.81	
	Ch: 51 to 61.7m		1	10.70				
	Ch: 61.7 to 91.7m		1	30.00	1.10	0.15	4.95	
	Ch: 91.7 to 96.1m		1	4.40	1.10	0.15	0.73	
	Gap							
	Ch: 0 to 30m		1	30.00	1.10	0.15	4.95	

	Ch: 30 to 60m		1	30.00	1.10	0.15	4.95
	Ch: 60 to 90m		1	30.00	1.10	0.15	4.95
	Ch: 90 to 100m		1	10.00	1.10	0.15	1.65
	SWD						
	Ch: 0 to 26.6m		1	26.60	1.10	0.15	4.39
	Road Gap						
	Ch: 0 to 25.6m		1	25.60	1.10	0.15	4.22
	Road Gap						
	Ch: 0 to 26.3m		1	26.30	1.10	0.15	4.34
	Road Gap						
	Ch: 0 to 12.4m		1	12.40	1.10	0.15	2.05
	Ch: 12.4 to 25.6m		1	13.20			
	Road Gap						
	Ch: 0 to 30m		1	30.00	1.10	0.15	4.95
	Ch: 30 to 31.6m		1	1.60	1.10	0.15	0.26
	Road Gap						
	Ch: 0 to 24.2m		1	24.20	1.10	0.15	3.99
	Provision Store Road, LL toSWD						
	Ch: 0 to 30m		1	30.00	1.10	0.15	4.95
	Ch: 30 to 60m		1	30.00	1.10	0.15	4.95
	Ch: 60 to 90m		1	30.00	1.10	0.15	4.95
	Ch: 90 to 105m		1	15.00	1.10	0.15	2.48
	Wall						
	Doddabettahalli						
	Ambabhavani Road						
	LHS						
	Ch: 0 to 30m		2	30.00	0.15	0.65	5.85
	Ch: 30 to 60m		2	30.00	0.15	0.65	5.85
	Ch: 60 to 90m		2	30.00	0.15	0.65	5.85
	Ch: 90 to 95.9m		2	5.90	0.15	0.65	1.15
	Road Gap						
	Ch: 0 to 30m		2	30.00	0.15	0.65	5.85
	Ch: 30 to 60m		2	30.00	0.15	0.65	5.85
	Ch: 60 to 90m		2	30.00	0.15	0.65	5.85
	Ch: 90 to 91m		2	1.00	0.15	0.65	0.20
	SWD						
	Ch: 0 to 3.2m		2	3.20	0.15	0.65	0.62
	Ch: 3.2 to 8.1m		2	4.90			
	Ch: 8.1 to 34m		2	25.90	0.15	0.65	5.05
	Road Gap						
	Ch: 0 to 21.8m		2	21.80	0.15	0.65	4.25
	Road Gap						
	Ch: 0 to 30m		2	30.00	0.15	0.65	5.85
	Ch: 30 to 59.1m		2	29.10	0.15	0.65	5.67
	Ch: 59.1 to 68.5m		2	9.40			
	Ch: 68.5 to 98.5m		2	30.00	0.15	0.65	5.85
	Ch: 98.5 to 121.5m		2	23.00	0.15	0.65	4.49
	Gap						
	Ch: 0 to 30m		2	30.00	0.15	0.65	5.85
	Ch: 30 to 60m		2	30.00	0.15	0.65	5.85

Ch: 60 to 90m		2	30.00	0.15	0.65	5.85	
Ch: 90 to 97.5m		2	7.50	0.15	0.65	1.46	
RHS							
Ch: 0 to 29.2m		2	29.20	0.15	0.65	5.69	
Ch: 29.2 to 34m		2	4.80				
Ch: 34 to 51m		2	17.00	0.15	0.65	3.32	
Ch: 51 to 61.7m		2	10.70				
Ch: 61.7 to 91.7m		2	30.00	0.15	0.60	5.40	
Ch: 91.7 to 96.1m		2	4.40	0.15	0.60	0.79	
Gap							
Ch: 0 to 30m		2	30.00	0.15	0.60	5.40	
Ch: 30 to 60m		2	30.00	0.15	0.60	5.40	
Ch: 60 to 90m		2	30.00	0.15	0.60	5.40	
Ch: 90 to 100m		2	10.00	0.15	0.60	1.80	
SWD							
Ch: 0 to 26.6m		2	26.60	0.15	0.60	4.79	
Road Gap							
Ch: 0 to 25.6m		2	25.60	0.15	0.65	4.99	
Road Gap							
Ch: 0 to 26.3m		2	26.30	0.15	0.65	5.13	
Road Gap							
Ch: 0 to 12.4m		2	12.40	0.15	0.65	2.42	
Ch: 12.4 to 25.6m		2	13.20				
Road Gap							
Ch: 0 to 30m		2	30.00	0.15	0.65	5.85	
Ch: 30 to 31.6m		2	1.60	0.15	0.65	0.31	
Road Gap							
Ch: 0 to 24.2m		2	24.20	0.15	0.60	4.36	
Provision Store Road, LL toSWD							
Ch: 0 to 30m		2	30.00	0.15	0.60	5.40	
Ch: 30 to 60m		2	30.00	0.15	0.60	5.40	
Ch: 60 to 90m		2	30.00	0.15	0.60	5.40	
Ch: 90 to 105m		2	15.00	0.15	0.60	2.70	
Culvert Raft							
Main Road		1	7.70	1.50	0.23	2.66	
Main Road		1	6.90	1.30	0.23	2.06	
Main Road		1	3.50	1.30	0.23	1.05	
Culvert Wall							
Main Road		2	7.70	0.23	0.60	2.13	
Main Road		2	6.90	0.23	0.60	1.90	
Main Road		2	3.50	0.23	0.60	0.97	
					Present Qty	**323.10**	**Cum**

C4FC

NEWZEN CONSULTANT * BANGALORE * PMC

Contractor

Assistant Engineer

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
Asst. Executive Engineer
ಯಲಹಂಕ ಉಪವಿಭಾಗ
ಬ.ಬ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

4/12/2019

Name of Work: Improvements to roads and drains at Doddabettahalli layout in Ward No. 03

Date of Pre-Measurement : 4/12/2019

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
4	KSRRB - M2300-14: Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be							
	Doddabettahalli							
	Ambabhavani Road, LHS							
	Total Drain length=447.40m							
	Main bar 10mm dia bar @ 100mm							
	0.61kg/mtr							
	No of U-bar=4474.00Nos		4474	2.20		0.61	6004.11	
	Distribution bar							
	Distribution bar 10mm dia @ 110mm							
	0.61kg/mtr		20	447.40		0.61	5458.28	
	Ambabhavani Road, RHS							
	Total Drain length=327.30m							
	Main bar 10mm dia bar @ 100mm							
	0.61kg/mtr							
	No of U-bar=3273.00Nos		3273	2.20		0.61	4392.37	
	Distribution bar							
	Distribution bar 10mm dia @ 110mm							
	0.61kg/mtr		19	327.30		0.61	3793.41	
	Provision Store Road, LL							
	Total Drain length=105.0m							
	Main bar 10mm dia bar @ 100mm							
	0.61kg/mtr							
	No of U-bar=1050.00Nos		1050	2.10		0.61	1345.05	
	Distribution bar							
	Distribution bar 10mm dia @ 110mm							
	0.61kg/mtr		18	105.00		0.61	1152.90	
	Culvert							
	Total Culvert length=18.10m							
	Main bar 10mm dia bar @ 130mm							
	0.61kg/mtr							
	No of U-bar=278.00Nos		278	2.30		0.61	390.03	
	Distribution bar							
	Distribution bar 10mm dia @ 150mm							
	0.61kg/mtr		34	18.10		0.61	375.39	
							22911.54	
						Present Qty	**22.91**	**Ton**

NEWZEN CONSULTANTS

Assistant Engineer

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Asst. Executive Engineer

Name of Work: **Improvements to roads and drains at Doddabettahalli layout in Ward No. 03**

Detailed Measurements

No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
1	KSRRB 300 - Excavation for road, drains and similar works KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking									
	Pre-measurement sheet no 1 to 2						1031.42			
						Present Qty	**1031.42**	**Cum**	**215.28**	**222044.00**
2	KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days									
	Pre-measurement sheet no 3 to 5						176.43			
						Present Qty	**176.43**	**Cum**	**5421.90**	**956559.00**
3	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. With 20mm and sown size granite metal course aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compcted for walls and bottom including centring shuttering cost of material HOM of									
	Pre-measurement sheet no 6 to 8						323.10			
						Present Qty	**323.10**	**Cum**	**7070.20**	**2284387.00**
4	KSRRB - M2300-14: Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be									
	Pre-measurement sheet no 9						22.91			
						Present Qty	**22.91**	**Tn**	**73992.24**	**1695163.00**

NEWZEN CONSULTANT * BANGALORE * RMC

Contractor

Assistant Engineer

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ಯಲಹಂಕ ಉಪವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

4/12/2019

Name of Work: **Improvements to roads and drains at Doddabettahalli layout in Ward No. 03**

Date of Measurement : 16.1.2020

Detailed Measurements

Discription of Item		No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
Providing and fixing RCC precast cover slab of 100mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of									
Doddabettahalli									
Ambabhavani Road									
LHS									
Ch: 0 to 30m		1	30.00	0.90		27.00			
Ch: 30 to 60m		1	30.00	0.90		27.00			
Ch: 60 to 90m		1	30.00	0.90		27.00			
Ch: 90 to 95.9m		1	5.90	0.90		5.31			
Road Gap									
Ch: 0 to 30m		1	30.00	0.90		27.00			
Ch: 30 to 60m		1	30.00	0.90		27.00			
Ch: 60 to 90m		1	30.00	0.90		27.00			
Ch: 90 to 91m		1	1.00	0.90		0.90			
SWD									
Ch: 0 to 3.2m		1	3.20	0.90		2.88			
Ch: 3.2 to 8.1m		1	4.90						
Ch: 8.1 to 34m		1	25.90	0.90		23.31			
Road Gap									
Ch: 0 to 21.8m		1	21.80	0.90		19.62			
Road Gap									
Ch: 0 to 30m		1	30.00	0.90		27.00			
Ch: 30 to 59.1m		1	29.10	0.90		26.19			
Ch: 59.1 to 68.5m		1	9.40						
Ch: 68.5 to 98.5m		1	30.00	0.90		27.00			
Ch: 98.5 to 121.5m		1	23.00	0.90		20.70			
Gap									
Ch: 0 to 30m		1	30.00	0.90		27.00			
Ch: 30 to 60m		1	30.00	0.90		27.00			
Ch: 60 to 90m		1	30.00	0.90		27.00			
Ch: 90 to 97.5m		1	7.50	0.90		6.75			
RHS									
Ch: 0 to 29.2m		1	29.20	0.90		26.28			
Ch: 29.2 to 34m		1	4.80						
Ch: 34 to 51m		1	17.00	0.90		15.30			
Ch: 51 to 61.7m		1	10.70						
Ch: 61.7 to 91.7m		1	30.00	0.90		27.00			
Ch: 91.7 to 96.1m		1	4.40	0.90		3.96			
Gap									
Ch: 0 to 30m		1	30.00	0.90		27.00			
Ch: 30 to 60m		1	30.00	0.90		27.00			
Ch: 60		1	30.00	0.90		27.00			

Ch: 90 to 100m		1	10.00	0.90		9.00			
SWD									
Ch: 0 to 26.6m		1	26.60	0.90		23.94			
Road Gap									
Ch: 0 to 25.6m		1	25.60	0.90		23.04			
Road Gap									
Ch: 0 to 26.3m		1	26.30	0.90		23.67			
Road Gap									
Ch: 0 to 12.4m		1	12.40	0.90		11.16			
Ch: 12.4 to 25.6m		1	13.20						
Road Gap									
Ch: 0 to 30m		1	30.00	0.90		27.00			
Ch: 30 to 31.6m		1	1.60	0.90		1.44			
Road Gap									
Ch: 0 to 24.2m		1	24.20	0.90		21.78			
Provision Store Road, LL toSWD									
Ch: 0 to 30m		1	30.00	0.90		27.00			
Ch: 30 to 60m		1	30.00	0.90		27.00			
Ch: 60 to 90m		1	30.00	0.90		27.00			
Ch: 90 to 105m		1	15.00	0.90		13.50			
Chikkabettahalli School side Slabs									
		1	30.00	0.90		27.00			
		1	21.40	0.90		19.26			
Gap									
		1	7.00	0.90		6.30			
Gap									
		1	17.00	0.90		15.30			
Missing slabs									
4th phase		53	0.60	0.90		28.62			
407.00		37	0.60	0.90		19.98			
408.00		44	0.60	0.90		23.76			
EQAL Layout		25	0.60	0.90		13.50			
Maneshwara layout		22	0.60	0.90		11.88			
Escort layout		28	0.60	0.90		15.12			
407.00		49	0.60	0.90		26.46			
Khusti college road		34	0.60	0.90		18.36			
					Present Qty	**1017.27**	**Sqm**	**2337.00**	**2377360.00**

C&FC

17/12/2019

Contractor

NEWZEN CONSULTANT * BANGALORE * PMC

Assistant Engineer

C&FC

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ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಎಂಜಿನಿಯರ್ ಪಿಆರ್ಒ ವಿಭಾಗ,
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

16/1/2020

Name of Work: **Improvements to roads and drains at Doddabettahalli layout in Ward No. 03**

Date of Measurement : 20/1/2020

Detailed Measurements

Discription of Item		No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
Providing and fixing RCC precast cover slab of 250mm thick made out of CC 1:2:4 and jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)									
Culvert Raft									
		1	7.70	1.50		11.55			
		1	6.90	1.20		8.28			
		1	3.50	1.20		4.20			
					Present Qty	**24.03**	**Sqm**	**5418.00**	**130195.00**

Contractor

NEWZEN CONSULTANT * BANGALORE * PMC

Assistant Engineer

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ಯಲಹಂಕ ವಿಭಾಗ/ಉತ್ತರ ವಿಭಾಗ.
Asst. Executive Engineer
ಯಲಹಂಕ ಉಪವಿಭಾಗ, ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

20/1/2020

e of Work: **Improvements to roads and drains at Doddabettahalli layout in Ward No. 03**

of Measurement : 26/1/2019

Detailed Measurements

Discription of Item		No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and									
Doddabettahalli									
Ambabhavani Road									
LHS									
Ch: 0 to 30m		1	30.00			67.00			
Ch: 30 to 60m		1	30.00			67.00			
Ch: 60 to 90m		1	30.00			67.00			
Ch: 90 to 95.9m		1	5.90			13.00			
Road Gap									
Ch: 0 to 30m		1	30.00			67.00			
Ch: 30 to 60m		1	30.00			67.00			
Ch: 60 to 90m		1	30.00			67.00			
Ch: 90 to 91m		1	1.00			2.00			
SWD									
Ch: 0 to 3.2m		1	3.20			7.00			
Ch: 3.2 to 8.1m		1	4.90						
Ch: 8.1 to 34m		1	25.90			58.00			
Road Gap									
Ch: 0 to 21.8m		1	21.80			48.00			
Road Gap									
Ch: 0 to 30m		1	30.00			67.00			
Ch: 30 to 59.1m		1	29.10			65.00			
Ch: 59.1 to 68.5m		1	9.40						
Ch: 68.5 to 98.5m		1	30.00			67.00			
Ch: 98.5 to 121.5m		1	23.00			51.00			
Gap									
Ch: 0 to 30m		1	30.00			67.00			
Ch: 30 to 60m		1	30.00						
Ch: 60 to 90m		1	30.00						
Ch: 90 to 97.5m		1	7.50						
RHS									
Ch: 0 to 29.2m		1	29.20			65.00			
Ch: 29.2 to 34m		1	4.80						
Ch: 34 to 51m		1	17.00			38.00			
Ch: 51 to 61.7m		1	10.70						
Ch: 61.7 to 91.7m		1	30.00			67.00			
Ch: 91.7 to 96.1m		1	4.40			10.00			
Ch: 0 to 30m		1	30.00			67.00			
Ch: 30 to 60m		1	30.00			67.00			
Ch: 60 to 90m		1	30.00			67.00			
Ch: 90 to 100m		1	10.00			22.00			

SWD									
Ch: 0 to 26.6m		1	26.60			59.00			
Road Gap									
Ch: 0 to 25.6m		1	25.60			57.00			
Road Gap									
Ch: 0 to 26.3m		1	26.30			58.00			
Road Gap									
Ch: 0 to 12.4m		1	12.40			28.00			
Ch: 12.4 to 25.6m		1	13.20						
Road Gap									
Ch: 0 to 30m		1	30.00			67.00			
Ch: 30 to 31.6m		1	1.60			4.00			
					Present Qty	**1523.00**	**Nos**	**432.48**	**658668.00**

Contractor

NEWZEN CONSULTANT * BANGALORE * PMC

Assistant Engineer

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Asst. Executive Engineer
ಯಲಹಂಕ ಉಪವಿಭಾಗ, ಪಾಲಿಕೆ ಕೇಂದ್ರ ವಿಭಾಗ.
ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

26/1/2026

Name of Work: **Improvements to roads and drains at Doddabettahalli layout in Ward No. 03**

Date of Measurement : 31/1/2020

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
8	Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 Specification No. KSRRB M800-6. (P.No.180, I.No.24.1 of PW, P&IWTD SR 2018-19)									
	Doddabettahalli									
	Ambabhavani Road									
	LHS									
	Ch: 0 to 30m		1	30.00	0.40		12.00			
	Ch: 30 to 60m		1	30.00	0.40		12.00			
	Ch: 60 to 90m		1	30.00	0.40		12.00			
	Ch: 90 to 95.9m		1	5.90	0.40		2.36			
	Road Gap									
	Ch: 0 to 30m		1	30.00	0.40		12.00			
	Ch: 30 to 60m		1	30.00	0.40		12.00			
	Ch: 60 to 90m		1	30.00	0.40		12.00			
	Ch: 90 to 91m		1	1.00	0.40		0.40			
	SWD									
	Ch: 0 to 3.2m		1	3.20	0.40		1.28			
	Ch: 3.2 to 8.1m		1	4.90						
	Ch: 8.1 to 34m		1	25.90	0.40		10.36			
	Road Gap									
	Ch: 0 to 21.8m		1	21.80	0.40		8.72			
	Road Gap									
	Ch: 0 to 30m		1	30.00	0.40		12.00			
	Ch: 30 to 59.1m		1	29.10	0.40		11.64			
	Ch: 59.1 to 68.5m		1	9.40						
	Ch: 68.5 to 98.5m		1	30.00	0.40		12.00			
	Ch: 98.5 to 121.5m		1	23.00	0.40		9.20			
	Gap									
	Ch: 0 to 30m		1	30.00						
	Ch: 30 to 60m		1	30.00	0.40		12.00			
	Ch: 60 to 90m		1	30.00						
	Ch: 90 to 97.5m		1	7.50						
	RHS									
	Ch: 0 to 29.2m		1	29.20	0.40		11.68			
	Ch: 29.2 to 34m		1	4.80						
	Ch: 34 to 51m		1	17.00	0.40		6.80			
	Ch: 51 to 61.7m		1	10.70						
	Ch: 61.7 to 91.7m		1	30.00	0.40		12.00			
	Ch: 91.7 to 96.1m		1	4.40	0.40		1.76			
	Gap									
	Ch: 0 to 30m		1	30.00	0.40		12.00			
	Ch: 30 to 60m		1	30.00	0.40		12.00			
	Ch: 60 to 90m		1	30.00	0.40		12.00			
	Ch: 90 to 100m		1	10.00	0.40		4.00			
	SWD									
	Ch: 0 to 26.6m		1	26.60	0.40		10.64			

Road Gap									
Ch: 0 to 25.6m		1	25.60	0.40		10.24			
Road Gap									
Ch: 0 to 26.3m		1	26.30	0.40		10.52			
Road Gap									
Ch: 0 to 12.4m		1	12.40	0.40		4.96			
Ch: 12.4 to 25.6m		1	13.20						
Road Gap									
Ch: 0 to 30m		1	30.00	0.40		12.00			
Ch: 30 to 31.6m		1	1.60	0.40		0.64			
					Present Qty	273.20	Sqm	84.80	23168.00

Total	8347544.00
12% GST	1001706.00
4% KRIDL	333902.00
Grand Total	9683152.00

C/fc

Contractor

NEWZEN CONSULTANT * BANGALORE * PMC

Assistant Engineer

Asst. Executive Engineer,

21/1/2020